

AMENDMENTS

In the Claims:

The listing of the claims found herein replaces all prior versions and similar listings of claims in the above-titled patent application.

Listing of Claims:

Claim 1 (Currently Amended): A network client, comprising:

a scanner component accessing an input content stream representing at least a layout source document via a network connection to extract renderable content from said layout source document, said renderable content being associated with at least one particular grammar;

a parsing component coupled to said scanner component for parsing said renderable content, said renderable content containing both malformed and well-formed expressions; and

a replaceable document type definition component configured to control said parsing component based on a particular layout document type definition corresponding to said at least one particular grammar to transform said renderable content into well-formed objects to be processed by a content model based on said at least one particular grammar, said ~~replaceable~~ particular layout document type definition ~~component~~ being replaceable during execution of said network client based on said at least one particular grammar, said particular layout ~~replaceable~~ document type definition ~~component~~ permitting said renderable content to be rendered.

Claim 2 (Currently Amended): The network client according to claim 1, wherein said replaceable document type definition component is configured to control said parsing component based on said particular layout document type definition which corresponds to a definition for HTML documents.

Claim 3 (Currently Amended): The network client according to claim 1, wherein said replaceable document type definition component is configured to control said parsing component based on said particular layout document type definition which corresponds to a definition for XML documents.

Claim 4 (Original): The network client according to claim 1, wherein said network connection is one that receives said content stream from an Internet site.

Claim 5 (Original): The network client according to claim 4, wherein said Internet site is a world wide web site.

Claim 6 (Original): The network client according to claim 1, wherein said grammar defines a well-formed document parsable by said parsing component.

Claim 7 (Currently Amended): A method for manifesting content received via a network client, comprising the following steps:

accessing an input content stream via a network connection to receive renderable content from said input content stream, said input content stream representing at least a

layout source document, said renderable content being associated with at least one particular grammar and containing both malformed and well-formed expressions;

during execution of said network client, receiving a replaceable layout document type definition for said renderable content based on said at least one particular grammar;

parsing said renderable content based on said replaceable document type definition to generate a well-formed content model; and

manifesting said content model within a data processing environment.

Claim 8 (Currently Amended): The method according to claim 7, wherein said replaceable document type definition controls said parsing step to parse HTML type documents.

Claim 9 (Original): The method according to claim 7, wherein said replaceable document type definition component is configured to control said parsing step to parse a particular document type definition which corresponds to a definition for XML documents.

Claim 10 (Original): The method according to claim 7, wherein said network connection is one that receives said content stream from an Internet site.

Claim 11 (Original): The method according to claim 10, wherein said Internet site is a world wide web site.

Claim 12 (Original): The method according to claim 7, wherein said grammar defines a well-formed document parsable by said parsing component.

Claim 13 (Currently Amended): A method of using a personal computing system equipped with a network client, comprising the following steps:

executing a network client to access a network server system to receive data therefrom, said network client including a scanner component for accessing said network server system to receive an input content stream containing a layout source document and to extract renderable content from said layout source document, said renderable content being associated with at least one particular grammar, a parsing component coupled to said scanner component for parsing said renderable content, and a replaceable document type definition component configured to control said parsing component based on a particular document type definition corresponding to said at least one particular grammar, said particular ~~replaceable~~ document type definition ~~component~~ being replaceable during execution of said network client based on said at least one particular grammar, said renderable content containing both malformed and well-formed expressions;

causing said scanner component to access said layout source document of said input content stream via a network connection to extract said renderable content therefrom;

during execution of said network client, receiving said particular ~~replaceable~~ document type definition based on said at least one particular grammar;

causing said parsing component to parse said renderable content to transform said renderable content into well-formed objects based on said particular ~~replaceable~~ document type definition to generate a content model; and

manifesting said content model within said personal data processing system.

Claim 14 (Currently Amended): The method according to claim 13, wherein said particular ~~replaceable~~ document type definition controls said parsing step to parse HTML type documents.

Claim 15 (Original): The method according to claim 13, wherein said replaceable document type definition component is configured to control said parsing step to parse a particular document type definition which corresponds to a definition for XML documents.

Claim 16 (Original): The method according to claim 13, wherein said network connection is one that receives said content stream from an Internet site.

Claim 17 (Original): The method according to claim 16, wherein said Internet site is a world wide web site.

Claim 18 (Original): The method according to claim 13, wherein said grammar defines a well-formed document parsable by said parsing component.

Claim 19 (Original): The network client according to claim 1, wherein said replaceable document type definition component is configured to control said parsing component based on said particular document type definition which corresponds to a definition for RTF documents.

Claim 20 (Original): The network client according to claim 1, wherein said replaceable document type definition component is configured to control said parsing component based on said particular document type definition which corresponds to a definition for PDF documents.

Claim 21 (Canceled).

Claim 22 (Currently Amended): A network client, comprising:

a scanner component configured to access an input content stream representing at least a layout source document via a network connection, and to extract renderable content from said layout source document, said renderable content being associated with at least one particular grammar and comprising at least one expression;

a parsing component coupled to said scanner component for parsing said renderable content; and

a document type definition component configured to acquire a replaceable document type definition ~~be acquired~~ during execution of said network client based on said at least one particular grammar associated with said renderable content, and to control said parsing component based on said acquired ~~a particular layout~~ document type

definition corresponding to said at least one particular grammar to transform said renderable content into well-formed objects to be processed by a content model based on said at least one particular grammar, wherein said acquired document type definition ~~component~~ permits said renderable content to be rendered.

Claim 23 (Currently Amended): A network client, comprising:

a scanner component configured to access an input content stream representing at least a layout source document via a network connection to extract renderable content from said layout source document, wherein said renderable content is associated with at least one particular grammar, and said at least one particular grammar is unknown to said network client prior to runtime of said network client;

a parsing component coupled to said scanner component for parsing said renderable content, said renderable content containing at least one expression; and

a replaceable document type definition component configured to control said parsing component based on a particular layout document type definition corresponding to said at least one particular grammar to transform said renderable content into well-formed objects to be processed by a content model based on said at least one particular grammar, wherein said particular layout ~~replaceable~~ document type definition ~~component~~ is replaceable during runtime of said network client based on said at least one particular grammar, and said particular layout ~~replaceable~~ document type definition ~~component~~ permits said renderable content to be rendered.

Claim 24 (Currently Amended): A method for manifesting content received via a network client, comprising the following steps:

accessing an input content stream via a network connection to receive renderable content from said input content stream, said input content stream representing at least a layout source document, said renderable content being associated with at least one particular grammar and containing at least one expression, wherein said at least one particular grammar is unknown to said network client prior to runtime of said network client;

during a runtime of said network client, receiving a replaceable layout document type definition based on said at least one particular grammar;

parsing said renderable content based on said replaceable document type definition to generate a well-formed content model; and

manifesting said content model within a data processing environment.

Claim 25 (Currently Amended): A method of using a personal computing system equipped with a network client, comprising the following steps:

executing a network client to access a network server system to receive data therefrom, said network client including a scanner component for accessing said network server system to receive an input content stream containing a layout source document and to extract renderable content from said layout source document, wherein said renderable content is associated with at least one particular grammar and said at least one particular grammar is unknown to said network client prior to execution of said network client, a parsing component coupled to said scanner component for parsing said renderable

content, and a replaceable document type definition component configured to control said parsing component based on a particular document type definition corresponding to said at least one particular grammar, said ~~replaceable~~ particular document type definition component being replaceable during runtime of said network client based on said at least one particular grammar, said renderable content containing both malformed and well-formed expressions;

causing said scanner component to access said layout source document of said input content stream via a network connection to extract said renderable content therefrom;

during said execution of said network client, receiving said ~~replaceable~~ particular document type definition based on said at least one particular grammar;

causing said parsing component to parse said renderable content to transform said renderable content into well-formed objects based on said ~~replaceable~~ particular document type definition to generate a content model; and

manifesting said content model within said personal data processing system.

Claim 26 (New) A parsing engine for parsing data input to a network client, said parsing engine comprising:

a scanner component for accessing an input content stream including renderable content of at least one particular grammar, said renderable content and said at least one particular grammar of said renderable content varying dynamically;

a document type definition component for dynamically providing a replaceable document type definition to said parsing engine, said replaceable document type

definition having said at least one particular grammar of said renderable content and varying dynamically with said renderable content and said at least one particular grammar of said renderable content; and

a parsing component for parsing said input content stream including said renderable content of said at least one particular grammar and generating a content model for said renderable content based on rules of said replaceable document type definition.

Claim 27 (New) The parsing engine of claim 26, further comprising a tokenizer for tokenizing said input content stream including said renderable content of said at least one particular grammar.

Claim 28 (New) The parsing engine of claim 27, wherein said tokenizer is capable of tokenizing said input content stream including said renderable content of at said least one particular grammar regardless of rules of said at least one particular grammar.

Claim 29 (New) The parsing engine of claim 28, wherein said tokenizer tokenizes said renderable content in a like manner regardless of said rules of said at least one particular grammar.

Claim 30 (New) The parsing engine of claim 26, wherein said input content stream includes malformed expressions, and said malformed expressions are replaced by well-formed expressions based on a document context defined by said replaceable DTD.

Claim 31 (New) A network client, comprising:

a parsing engine for parsing input to a network client, said parsing engine including:

a scanner component for accessing an input content stream including renderable content of at least one particular grammar, said renderable content and said at least one particular grammar of said renderable content varying dynamically;

a document type definition component for dynamically providing a replaceable document type definition to said parsing engine, said replaceable document type definition having said at least one particular grammar of said renderable content and varying dynamically with said renderable content and said at least one particular grammar of said renderable content; and

a parsing component for parsing said input content stream including said renderable content of said at least one particular grammar and generating a content model for said renderable content based on rules of said replaceable document type definition.

Claim 32 (New) The network client of claim 31, further comprising a tokenizer for tokenizing said input content stream including said renderable content of said at least one particular grammar.

Claim 33 (New) The network client of claim 32, wherein said tokenizer is capable of tokenizing said input content stream including said renderable content of said at least one particular grammar regardless of rules of said at least one particular grammar.

Claim 34 (New) The network client of claim 33, wherein said tokenizer tokenizes said renderable content in a like manner regardless of said rules of said at least one particular grammar.

Claim 35 (New) The network client of claim 31, wherein said input content stream includes malformed expressions, and said malformed expressions are replaced by well-formed expressions based on a document context defined by said replaceable DTD.

Claim 36 (New) A network client, comprising:

a scanner component for accessing an input content stream; and

a parsing component coupled to said scanner component for parsing said input content stream,

wherein said parsing component is dynamically assigned at least one replaceable document type definition having at least one particular grammar of said input content stream, said parsing component tokenizing said input content stream and constructing a content model for said tokenized input content stream by using said at least one dynamically assigned replaceable document type definition.

Claim 37 (New) A network client for displaying documents received over the internet, said network client comprising:

a parsing engine that dynamically receives a replaceable document type definition for each document received over the internet at a time when a content stream including each said document is received, wherein each said document is manifested and displayed

in accordance with at least one particular grammar contained in said replaceable document type definition therefor.

Claim 38 (New) A method for displaying documents received over a network connection by a network client having a parsing engine, the method comprising:

dynamically assigning a replaceable document type definition to the parsing engine for each document received over the internet at a time a content stream including each said document is received; and

manifesting and displaying each said document in accordance with at least one particular grammar contained in said replaceable document type definition therefor.

Claim 39 (New): A method for parsing data input to a network client over a network connection, the method comprising:

accessing an input content stream including renderable content of at least one particular grammar, wherein said renderable content and said at least one particular grammar thereof vary dynamically;

dynamically providing a replaceable document type definition to a parsing engine of said network client, said replaceable document type definition having said at least one particular grammar of said renderable content, wherein said replaceable document type definition varies dynamically with said renderable content and said at least one particular grammar thereof;

parsing said input content stream including said renderable content of said at least one particular grammar and generating a content model for said renderable content based on said replaceable document type definition.

Claim 40 (New) The method of claim 39, further comprising tokenizing said input content stream including said renderable content of said at least one particular grammar.

Claim 41 (New) The method of claim 40, wherein tokenizing said input content stream is performed in a like manner regardless of said at least one particular grammar of said renderable content.

Claim 42 (New) The method of claim 39, further comprising:

said document type definition defining a document context of said renderable content;

identifying any malformed expressions in said renderable content;

replacing said any malformed expressions in said renderable content with well-formed expressions derived from said document context defined by said document type definition; and

generating said content model for said renderable content based on said replaceable document type definition, and rendering said renderable content.

REQUEST FOR RECONSIDERATION:

The Applicant is amending independent claims 1, 7, 13 and 22-25 and dependent claims 2, 3, 8 and 14 merely to clarify the claimed invention. Such amendments to claims 1-3, 7, 8, 13, 14 and 22-25 are non-narrowing amendments that do not affect the scope of original claims 1-3, 7, 8, 13, 14 and 22-25. Applicant also is adding new claims 26-42. Claims 1-20 and 22-42 currently are pending and are subject to examination in the above-titled patent application. No new matter is added by the foregoing amendments, and these amendments are fully supported by the specification. The Applicant respectfully requests that the Examiner reconsider the above-titled patent application in view of the foregoing amendments and the following remarks.